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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,464	09/05/2003	Glen S. Axelrod	TFH047	8440
32047 7590 05/12/2008 GROSSMAN, TUCKER, PIERREAU & PFLEGER, PLLC 55 SOUTH COMMERCIAL STREET MANCHESTER, NH 03101				
EXAMINER				
COLE, ELIZABETH M				
ART UNIT		PAPER NUMBER		
1794				
MAIL DATE		DELIVERY MODE		
05/12/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

# Office Action Summary

**Application No.**

10/656,464

**Applicant(s)**

AXELROD, GLEN S.

**Examiner**

Elizabeth M. Cole

**Art Unit**

1794

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 16 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-5, 8-14, 16 and 19-25 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-5, 8-14, 16 and 19-25 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

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1. Claims 1-5, 8-14, 16, 19-22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claim 1 recites "conventional fiber material". It is not clear what fibers are considered conventional and what are considered non-conventional. It will be presumed for purposes of the art rejection below that conventional fibers will be fibers which have tensile strength or modulus less than that claimed for the higher strength fibers.

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1-5, 8-14, 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Denesuk et al, U.S. Patent NO. 6,196,156 in view of Jordan, U.S. Patent No. 5,226,384 and Sullivan, U.S. Patent No. 5,087,499. Denesuk et al discloses an article for use by pets comprising a core which may comprise foam or other types of fillers such as synthetic and natural fibers, (col. 10, lines 28-41) and a fabric cover. The fabric cover may comprise two different types of fabric and each type of fabric only partially covers the core. See col. 10, line 60 – col. 11, line 7 and col. 11, lines 38-46 as well as example 4. Suitable fabrics include polyolefins, acetate, acrylic, nylons and polyesters. See col. 11, line 65 – col. 12, line 4. The fabrics can be woven, non-woven or knitted. See col. 9, lines 31-43. Denesuk differs from the claimed invention because

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Denesuk does not teach that at least one of the fibers should be a high strength fiber. Jordan teaches that high strength fibers such as aramid fibers can be used in forming covers for articles used by pets. See abstract. Therefore, it would have been obvious to have employed high strength fibers for parts of the cover of Denesuk which would be most exposed to wear and tear, biting, chewing, etc., motivated by the expectation that this would enhance the durability of the bed. Jordan teaches employing high strength fibers but does not teach blending the fibers with other fibers. Sullivan teaches that is known in the art to blend high strength fibers with other fibers, such as cotton, silk, nylon, polyolefins, etc. See col. 3, lines 56-64. Therefore, it would have been obvious to have blended the high strength fibers of Jordan with other fibers as taught by Sullivan, in order to form yarns which had additional properties such as enhanced softness, absorbency, hydrophobicity, etc., depending on what the final properties desired in the fabric were. For example, silk and cotton fibers would have been known in the art to provide enhanced softness and absorbency to a fabric relative to using all aramid yarns. Polyolefin yarns would produce a more hydrophobic fabric. Also, considerations of economy would tend toward blending the fibers in order to arrive at a fabric having the desired properties at an economical cost.

4. Claims 19-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Denesuk in view of Jordan and Sullivan as applied to claims above, and further in view of any one of Bottger et al, U.S. Patent NO 6,610, 618, Howland, U.S. Patent Application Publication 2003/0091785 or Johnson, U.S. Patent No. 696,567. Jordan teaches employing high strength fiber containing fabrics to reinforce items used by pets,

but does not teach forming multiple layers having different orientation wherein the layers are oriented at angles to each other. Each of Bottger, Howland and Johnson '567 teach that it is known in the art to form woven fabrics having different degrees of strength in the MD versus the CD and to layer the fabrics so that the axis of each fabric is at an angle relative to the other fabrics in order to enhance the strength of the finished product. See for example, col. 1, lines 9-26 of Johnson '567; Col. 3, lines 1-8 of Bottger and the abstract as well as the entire document of Howland. Therefore, it would have been obvious to have oriented different layers of the fabric of Jordan so that the axis of each fabric was at an angle relative to the other layer as taught by any one of Bottger, Johnson '567, or Howland, in order to arrive a fabric having controllable and increased strength.

5. Applicant's arguments have been fully considered but are moot in view of the new grounds of rejection.
6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

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extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elizabeth M. Cole whose telephone number is (571) 272-1475. The examiner may be reached between 6:30 AM and 6:00 PM Monday through Wednesday, and 6:30 AM and 2 PM on Thursday.

The examiner's supervisor Rena Dye may be reached at (571) 272-3186.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

The fax number for all official faxes is (571) 273-8300.

/Elizabeth M. Cole/  
Primary Examiner, Art Unit 1794

e.m.c